





## **QUALITY CERTIFICATE**

Vessel Customer SHORE TANK NO. 4

**SPRAGUE** Operation

**ANALYSIS** 

Port Date SEARSPORT, MAINE December 20, 2005

Terminal **SPRAGUE** 

Report

SP/05/1213

Reference V-05-01895 Sample # 239270

Name of material being tested Description of sample source Samples Drawn by (company) Samples Tested by (company) **NO. 6 FUEL OIL 2.0%** 

EX. SHORE TK NO. 4 AFTER DISCHARGE OF ISOLA VERDE **INSPECTORATE INSPECTORATE** 

Tests being Performed	Test method	Minimum Maximum	Sample Source
GRAVITY, API @ 60 F FLASH POINT, F VISCOSITY, SSF @ 122 F POUR POINT, F WATER & SEDIMENT, % VOL. SULPHUR, % WT. ^SH, % WT.	ASTM D 4052 ASTM D 93 ASTM D 445/2161 ASTM D 97 ASTM D 1796 ASTM D 4294 ASTM D 482		11.2 163 261 +36.8 0.05 1.88 0.045
ANADIUM, PPM SODIUM, PPM BTU'S/POUND BTU'S/GALLON NITROGEN, % WT. CARBON RESIDUE, % WT. ASPHALTENES, % WT.	AA/AE AA/AE CALCULATION CONVERSION ASTM D 5762 ASTM D 4530 IP-143		139 8 18,311 151,212 0.4881 16.7 10.71
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**DENNIS E. CURTIS**